

**Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, North Carolina**

Year	Coal	Natural Gas <sup>a</sup>	Petroleum						Hydro-electric Power <sup>e,f</sup>	Biomass		Geo-thermal <sup>f</sup>	Solar <sup>f,i</sup>	Retail Electricity Sales	Net Energy <sup>f,j</sup>	Electrical System Energy Losses <sup>k</sup>	Total <sup>f,j</sup>
			Distillate Fuel Oil	HGL <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total		Million kWh	Wood and Waste <sup>f,g</sup>	Losses and Co-products <sup>h</sup>					
	Year	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh	Wood and Waste <sup>f,g</sup>	Losses and Co-products <sup>h</sup>		Million kWh			
1960	2,421	26	3,155	730	1,089	3,967	4,396	13,336	48	--	--	--	NA	8,773	--	--	--
1965	2,563	47	4,710	1,156	1,315	4,005	5,538	16,724	37	--	--	--	NA	10,707	--	--	--
1970	2,267	75	4,514	1,891	1,004	5,809	6,273	19,492	10	--	--	--	NA	16,099	--	--	--
1975	1,479	62	4,271	3,695	782	7,045	5,612	21,404	5	--	--	--	NA	20,875	--	--	--
1980	1,375	86	4,131	4,581	514	8,468	5,536	23,230	3	--	--	--	NA	25,254	--	--	--
1985	2,247	75	3,613	3,606	832	5,814	5,981	19,845	3	--	--	--	NA	26,272	--	--	--
1990	2,989	86	3,467	3,700	807	5,121	6,614	19,708	3	--	--	--	(s)	31,265	--	--	--
1995	2,437	107	4,640	5,115	977	5,779	8,331	24,842	1,636	--	--	--	(s)	34,063	--	--	--
1996	2,336	104	4,372	5,908	1,003	6,280	6,478	24,041	1,741	--	--	--	(s)	34,142	--	--	--
1997	2,158	112	4,019	7,827	1,041	5,554	6,476	24,917	1,697	--	--	--	(s)	35,095	--	--	--
1998	1,883	106	4,822	5,409	923	4,622	7,534	23,309	1,663	--	--	--	(s)	34,986	--	--	--
1999	1,751	107	3,935	4,221	657	4,132	7,936	20,881	1,174	--	--	--	(s)	34,165	--	--	--
2000	1,762	107	4,207	5,820	804	4,729	7,705	23,265	936	--	--	--	(s)	34,252	--	--	--
2001	1,704	89	4,676	5,368	2,019	3,391	8,463	23,916	733	--	--	--	(s)	32,931	--	--	--
2002	1,597	98	3,411	4,581	1,957	3,099	7,922	20,970	1,062	--	--	--	(s)	31,381	--	--	--
2003	1,590	88	3,537	3,084	1,666	3,914	7,028	19,229	866	--	--	--	(s)	30,314	--	--	--
2004	1,448	90	3,483	2,830	1,966	5,233	7,611	21,123	688	--	--	--	(s)	31,075	--	--	--
2005	1,408	87	4,272	4,264	1,831	4,918	7,362	22,646	722	--	--	--	(s)	30,101	--	--	--
2006	1,225	87	3,914	5,052	1,941	3,869	7,224	22,000	494	--	--	--	(s)	29,263	--	--	--
2007	1,148	88	3,923	4,440	1,385	3,136	7,433	20,317	2	--	--	--	(s)	28,978	--	--	--
2008	1,066	89	3,369	2,807	1,131	2,843	6,295	16,445	2	--	--	--	(s)	27,773	--	--	--
2009	869	82	2,952	3,077	1,115	2,084	4,771	13,999	2	--	--	--	(s)	25,100	--	--	--
2010	883	92	3,010	4,161	1,662	1,748	R 6,221	R 16,800	2	--	--	--	(s)	26,316	--	--	--
2011	764	99	3,000	4,046	1,702	916	R 5,513	R 15,177	1	--	--	--	(s)	26,555	--	--	--
2012	661	102	2,915	3,905	1,585	454	R 6,440	R 15,298	375	--	--	--	(s)	26,896	--	--	--
2013	663	110	3,359	2,616	1,659	198	R 5,823	R 13,655	881	--	--	--	(s)	26,872	--	--	--
2014	592	108	3,219	3,145	1,271	164	R 5,907	R 13,706	0	--	--	--	(s)	26,965	--	--	--
2015	552	105	3,370	2,781	1,299	74	R 5,611	R 13,136	0	--	--	--	2	27,701	--	--	--
2016	526	106	3,776	2,239	1,280	56	7,068	14,419	0	--	--	--	4	27,337	--	--	--
<b>Trillion Btu</b>																	
1960	61.6	27.0	18.4	3.0	5.7	24.9	27.6	79.6	0.5	29.0	NA	NA	NA	29.9	227.7	74.0	301.7
1965	64.6	48.3	27.4	4.8	6.9	25.2	34.1	98.5	0.4	36.2	NA	NA	NA	36.5	284.5	87.2	371.7
1970	53.9	26.3	7.1	5.3	36.5	39.2	114.4	0.1	45.0	NA	NA	NA	NA	54.9	345.2	132.9	478.1
1975	34.7	63.2	24.9	13.5	4.1	44.3	34.9	121.7	0.1	45.1	NA	NA	NA	71.2	336.0	170.9	506.9
1980	33.6	86.6	24.1	16.6	2.7	53.2	34.5	131.2	(s)	55.3	NA	NA	NA	86.2	392.8	207.0	599.8
1985	55.9	77.4	21.0	12.8	4.4	36.6	37.4	112.1	(s)	64.8	0.0	NA	NA	89.6	399.8	205.3	605.1
1990	74.5	88.9	20.2	13.2	4.2	32.2	41.9	111.7	(s)	82.8	0.0	0.0	(s)	106.7	464.7	242.2	706.9
1995	61.6	110.3	27.0	18.3	5.1	36.3	53.7	140.4	16.9	84.9	0.0	0.0	(s)	116.2	530.2	257.5	787.7
1996	58.7	107.9	25.4	21.0	5.2	39.5	40.9	132.0	18.0	82.7	0.0	0.0	(s)	116.5	515.8	257.6	773.4
1997	54.1	115.6	23.4	27.9	5.4	34.9	40.9	132.5	17.3	83.8	0.0	0.0	(s)	119.7	523.0	255.9	778.9
1998	47.2	110.9	28.1	19.2	4.8	29.1	47.3	128.5	17.0	78.9	0.0	0.0	(s)	119.4	501.8	257.5	759.3
1999	43.9	111.1	22.9	15.0	3.4	26.0	49.7	117.0	12.0	79.6	0.0	0.0	(s)	116.6	480.2	252.8	733.0
2000	46.7	109.8	24.5	20.6	4.2	29.7	48.7	127.7	9.5	80.6	0.0	0.0	(s)	116.9	491.2	254.7	746.0
2001	45.6	92.6	27.2	19.0	10.5	21.3	53.6	131.6	7.6	82.3	0.0	0.0	(s)	112.4	472.1	243.2	715.3
2002	42.2	101.9	19.8	16.2	10.2	19.5	50.1	115.8	10.8	71.4	0.0	0.0	(s)	107.1	449.2	232.9	682.1
2003	42.1	92.2	20.6	11.0	8.7	24.6	44.9	109.8	8.8	89.9	0.0	0.0	(s)	103.4	446.1	222.9	669.0
2004	38.1	93.3	20.3	10.1	10.2	32.9	49.1	122.5	6.9	65.9	0.0	0.0	(s)	106.0	432.8	233.3	666.1
2005	36.9	90.0	24.9	15.1	9.5	30.9	47.3	127.7	7.2	65.7	0.0	0.0	(s)	102.7	430.3	223.2	653.5
2006	32.2	90.2	22.7	17.9	10.1	24.3	46.2	121.3	4.9	73.5	0.0	0.0	(s)	99.8	421.9	217.0	638.9
2007	30.1	91.4	22.7	15.6	7.1	19.7	47.6	112.8	(s)	56.4	0.0	0.0	(s)	98.9	389.6	220.6	610.2
2008	27.9	92.0	19.5	9.9	5.8	17.9	40.0	93.0	(s)	84.5	0.0	0.0	(s)	94.8	392.1	212.9	605.0
2009	22.8	84.4	17.1	10.7	5.7	13.1	30.3	76.8	(s)	66.6	0.0	0.0	(s)	85.6	336.3	189.7	526.0
2010	23.1	93.9	17.4	16.0	8.4	11.0	R 39.7	R 92.5	(s)	R 75.8	0.0	0.0	(s)	88.8	R 375.1	197.7	R 572.8
2011	19.8	100.5	17.3	15.5	8.6	5.8	R 35.1	R 82.3	(s)	R 81.0	0.0	0.0	(s)	90.6	R 374.2	196.9	R 571.2
2012	17.2	103.6	16.8	15.0	8.0	2.9	R 41.4	R 84.1	3.6	R 79.8	0.0	0.0	(s)	91.8	R 380.0	194.6	R 574.6
2013	17.9	111.2	19.4	10.0	8.4	1.2	R 36.7	R 75.8	8.4	R 80.7	0.0	0.0	(s)	91.7	R 385.7	184.0	R 569.7
2014	15.8	110.6	18.6	12.1	6.4	1.0	R 37.2	R 75.3	0.0	R 76.9	0.0	0.0	(s)	92.0	R 370.5	183.5	R 554.0
2015	14.3	108.8	19.4	10.7	6.6	0.5	R 35.3	R 72.4	0.0	R 81.9	0.0	0.0	(s)	94.5	R 372.0	185.1	R 557.1
2016	13.9	109.1	21.8	8.6	6.5	0.3	45.0	82.2	0.0	77.5	0.0	0.0	(s)	93.3	376.1	181.5	557.6

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.<sup>h</sup> Losses and co-products from the production of fuel ethanol.<sup>i</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.<sup>j</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline

column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

<sup>k</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

KWh = Kilowatthours. -- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants.